

Title (en)
LITHIUM-ION GEL BATTERY

Title (de)
LITHIUM-IONEN-GELBATTERIE

Title (fr)
BATTERIE AU LITHIUM-ION GELIFIEE

Publication
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Application
EP 16763907 A 20160811

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Abstract (en)
[origin: WO2017032940A1] The present invention relates to a lithium-ion battery which comprises: a positive electrode comprising a positive electrode active material, and advantageously a lithium salt; an electrolyte comprising a lithium salt; and a negative electrode comprising a negative electrode active material, and advantageously a lithium salt. In this battery, all three of the positive electrode, the negative electrode and the electrolyte are provided in gel form, and all three include a polymer and a dinitrile compound with formula $N\equiv C-R-C\equiv N$; R being a hydrocarbon grouping C_nH_{2n} , n being an integer between 1 and 2; and the weight ratio of the dinitrile compound to the polymer being 60/40 to 90/10.

IPC 8 full level
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Citation (search report)
See references of WO 2017032940A1

Cited by
FR3112655A1; FR3112654A1; WO2022013741A1

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